

**The American Journal of Human Genetics, Volume 88  
Supplemental Data**

**Mutations in *PRDM5* in Brittle Cornea Syndrome  
Identify a Pathway Regulating Extracellular  
Matrix Development and Maintenance**

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**Table S1. Primers for Amplification of Exons of *PRDM5***

<b>Fragment</b>	<b>Oligonucleotide</b>	<b>Size</b>
<i>PRDM5</i> exon 1	Forward: accccaaatttcgatgtgc Reverse: gtggcgcagcgagtaaag	363 bp
<i>PRDM5</i> exon 2	Forward: ggcataagatttgcagaaa Reverse: gggcaacaagagcaaatctc	353 bp
<i>PRDM5</i> exon 3	Forward: gagaagaatgcatgttagtccaa Reverse: ggaggtcattgggaaacaaa	373 bp
<i>PRDM5</i> exon 4	Forward: tttcatgcacacatagtactcca Reverse: gaatgcatattacaaggcaac	377 bp
<i>PRDM5</i> exon 5	Forward: ttggtgaaatacaagtgattttgaa Reverse: tggcaaattaataaatggacaaaa	673 bp
<i>PRDM5</i> exon 6/7	Forward: aaggtactgctaaaaatttaaaaagg Reverse: gagcgagaattaaaaacagatcg	698 bp
<i>PRDM5</i> exon 8	Forward: tgaactacatatcacctcgaaaca Reverse: aattgccattgattttcagatt	295 bp
<i>PRDM5</i> exon 9	Forward: tggcagctgttcacatgttt Reverse: aggccctgattaccactct	273 bp
<i>PRDM5</i> exon 10	Forward: gaccatccttagtttcttaccg Reverse: aggccccagatgtacaaaag	364 bp
<i>PRDM5</i> exon 11	Forward: tccaccttcccttcttct Reverse: ataggcacacctctgggatg	298 bp
<i>PRDM5</i> exon 12	Forward: gccaacattttggagaaagc Reverse: aaatcatgcatttgcattttga	389 bp
<i>PRDM5</i> exon 13	Forward: gccagtggaatatccatca Reverse: aagagagagaaaacagccaaga	391 bp
<i>PRDM5</i> exon 14	Forward: gccaggatctgagtgtgtga Reverse: caactccagtgattgccttt	283 bp
<i>PRDM5</i> exon 15	Forward: tcattcactggcaattttgg Reverse: ggaagacactatgggggaaa	183 bp
<i>PRDM5</i>	Forward: tttctttgccaatagtgtgagtg	378 bp

<i>exon 16</i>	Reverse: ggcaaataagaactatgagacca	
All primers amplified at an annealing temperature of 60°C		

**Table S2. Novel Sequence Variants in *PRDM5* Identified on Whole-Exome Sequencing**

cDNA	Protein prediction	Heterozygous individuals	Homozygous individuals	dbSNP accession number
c.342A>C	p.Glu114Asp	1	0	ss410751661
c.491A>T	p.Lys164Ile	16	1	ss410751662
c.544C>T	p.Leu182Phe	1	0	ss410751663
c.1066T>A	p.Ser356Thr	15	0	ss410751664
c.1102G>A	p.Val368Leu	1	0	ss410751665
c.1113C>A	p.Ser371Arg	2	0	ss410751666